

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
22 March 2001 (22.03.2001)

PCT

(10) International Publication Number  
WO 01/19354 A3

(51) International Patent Classification<sup>7</sup>: A61K 47/42

(21) International Application Number: PCT/DK00/00500

(22) International Filing Date:  
11 September 2000 (11.09.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
PA 1999 01308 16 September 1999 (16.09.1999) DK

(71) Applicant: NOVO NORDISK A/S [DK/DK]; Novo Allé,  
DK-2880 Bagsværd (DK).

(72) Inventor: ANDERSEN, Tina, Meinertz; Slettevang 3,  
DK-2970 Hørsholm (DK).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ,  
DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,

HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,  
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,  
TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.

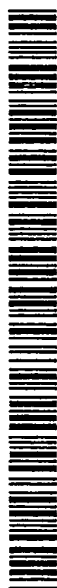
(84) Designated States (*regional*): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian  
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European  
patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,  
IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG,  
CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- With international search report.
- Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.

(88) Date of publication of the international search report:  
14 June 2001

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



WO 01/19354 A3

(54) Title: COMPOSITION FOR IVF

(57) Abstract: A solid composition containing a meiosis activating substance can be prepared by adding a protein or a phosphoglycid.



# INTERNATIONAL SEARCH REPORT

Inter:      nal Application No  
PCT/DK 00/00500

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7    A61K47/42

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7    A61K    C12N    C07J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98 24883 A (MEDI CULT AS) 11 June 1998 (1998-06-11) page 28 -page 32 ---	1-13
Y	WO 90 03429 A (CETUS CORP) 5 April 1990 (1990-04-05) page 19 -page 33 ---	1-13
Y	WO 98 28323 A (GROENDAHL CHRISTIAN ) 2 July 1998 (1998-07-02) page 7, line 26 - line 30 page 28, line 1 - line 24 --- -/--	1-13

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

2 January 2001

Date of mailing of the international search report

11 04 2001

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Anna Sjölund

# INTERNATIONAL SEARCH REPORT

Inter    nal Application No  
PCT/DK 00/00500

**C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>BYSKOV A G ET AL: "Meiosis-activating sterols: background, discovery, and possible use"</p> <p>J MOL MED ,</p> <p>vol. 76, 1998, pages 818-823, XP002901610</p> <p>the whole document</p> <p style="text-align: center;">---</p>	1-13
P,A	<p>WO 00 52142 A (BYSKOV ANNE GRETE )</p> <p>8 September 2000 (2000-09-08)</p> <p>the whole document</p> <p style="text-align: center;">-----</p>	1-13

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/DK00/00500

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 13  
because they relate to subject matter not required to be searched by this Authority, namely:  
**The claim 13 shall define the matter for which protection is sought. Claim 13 shall be clear and concise. The shall be fully supported by the description.**
2. ☐ Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.  
☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/DK 00/00500

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9824883 A	11-06-1998	EP 0950090 A NO 992704 A	20-10-1999 04-08-1999
WO 9003429 A	05-04-1990	AU 4312489 A US 5372943 A	18-04-1990 13-12-1994
WO 9828323 A	02-07-1998	AU 7878998 A BR 9713762 A EP 0946584 A HU 9904616 A NO 993009 A PL 335408 A	17-07-1998 01-02-2000 06-10-1999 28-06-2000 19-08-1999 25-04-2000
WO 0052142 A	08-09-2000	AU 2659200 A	21-09-2000